

Revision 8 Design Review - Flat Roof
Sardar Girls High School
drawings dated November 10, 2010
WO-A-0066

Response Legend
A - Agree
D - Disagree
O - out of scope
AE - Agree with exception

Comment #	Reviewer	Reference	Comment	Response Code	Response	Back-Check
ARCHITECTURAL DRAWINGS						
A-1	TMH	Specs	Flat Roof Profile description is missing 40mm of rigid insulation per Detail 16. Specification section also needed for rigid insulation.			
A-2	TMH	Specs	Revise Flat Roof Profile description to include 5cm of PCC for Isogam to adhere to. See Comment # A-12.			
A-3	TMH	Specs	Section missing for Geofabric.			
A-4	TMH	Specs	Section 4.1 Waterproofing, lists an internal sump drain, revise to an external sump drain as shown on gutter detail on Sheet A-16.			
A-5	TMH	Specs	Sleeve material is not specified for vertical penetrations such as roof vents.			
A-6	TMH	A08C,A08C', A08C"	Slopes indicated are 3%, Section on A-16 indicates 2%.			
A-7	TMH	A08C,A08C', A08C"	Indicate Ridge, Hip, and Valley lines on plans.			
A-8	TMH	A08C,A08C', A08C"	Indicate slopes in gutters.			
A-9	TMH	A08C,A08C', A08C"	Detail/Section is needed for vent pipe sleeve and flashing.			
A-10	TMH	A08C,A08C', A08C"	Detail/Section is needed for roof intersections between Zones 'C & E' and 'B & D'. Construction joint is indicated, an expansion joint may be needed instead at these intersections.			
A-11	TMH	A16	Flashing detail is needed at intersection of roof and vertical walls of roof structures.			
A-12	TMH	A16	Gutter Detail shows Isogam applied directly on burnt brick powder. Recommend a PCC slab topping of 5cm thickness on top of the burnt brick powder for proper adhesion and sealing of the Isogam roof membrane.			
A-13	TMH	A16	Isogam should extend up face of parapet wall to top of wall for waterproofing since no counterflashing is shown at GI parapet cap.			
A-14	TMH	A16	Sump drain details are needed, for example connection detail to RCC slab, collar connection to vertical drain pipes, and flashing details.			
A-15	TMH	A16	Longitudinal Gutter section is needed showing how gutter will drain to sumps, and slope of gutters.			
A-16	TMH	A16	Geofabric thickness shown in Gutter detail is shown as 50mm, should be 5mm per Specification.			